(d) whether the contract farming would result in more exploitation of small and marginal farmers by land owners ?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV) : (a) to (c) In the National Agriculture Policy, it is stated that private sector participation will be promoted through contract farming and land leasing arrangements to allow accelerated technology transfer, capital inflow and assured markets for crop production, especially of oil seeds, cotton and horticultural crops. It is also mentioned that the Government will provide active support for promotion of cooperative form of enterprise and ensure greater autonomy and operational freedom to them to improve their functioning. No specific scheme, however, has been initiated by the Government to introduce co-operative and contract farming.

(d) farming on contract basis is purely voluntary decision of any farmers.

Production Cost and Realisation Prices of Crops

1975. SHRI SURESH PACHOURI : Will the Minister of AGRICULTURE be pleased to state :

(a) whether it is a fact that in view of the trends in the cost of production of different crops *vis-a-vis* realization in terms of their prices, the agriculture, is not a paying proposition; and

(b) the cost of production of major crops, item-wise and crop-wise, *vis-a-vis* their sale price, during the last three years ?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV) : (a) Analysis of data, for major crops like wheat, rice and sugarcane grown in certain States like Punjab, Haryana, U.P. etc., shows that average realization of the farmers is higher than the Cost of Production.

(b) A statement of cost of production data based on the data collected under the Comprehensive Scheme for studying the Cost of Cultivation of Principal Crops is annexed.

STATEMENT

Item-wise Cost of Production and Implicit Price (average realisations) in respect of major crops during 1996-97 to 1998-99

Sl No	Items	SUGARCANE—1996-97				SUGARCANE—1997-98				SUGARCANE—1998-99			
		U.P.		MAHARASHTRA		U.P		MAHARASHTRA		U.P.		MAHARASHTRA	
		Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Human Labour	12.28		11.39		13.20		11.87		14.15		12.31	
2	Animal Labour	0.61		1.52		0.65		1.40		0.71		1.37	
3	Machine Labour	0.80		2.84		0.55		2.89		1.15		3.30	
4.	Seed	3.11		1.30		1.91		2.23		3.50		4.24	
5.	Fertiliser	3.01		3.71		2.77		4.82		3.22		5.55	
6.	Manure	0.52		0.30		0.71		0.55		1.03		0.62	
7.	Insecticide	0.13		0.00		0.04		0.00		0.07		0.00	
8.	Irrigation Charges	1.80		4.40		2.07		4.97		2.29		4.45	
9.	Miscellaneous	0.00		0.00		0.00		0.00		0.00		0.00	
10.	Interest on Working Capital	0.98		1.39		0.91		1.56		1.13		1.73	
11	Rental Value of owned land	17.00		7.69		17.17		9.86		19.33		10.63	
12.	Other Fixed Costs	3.23		3.79		3.11		3.44		3.68		3.31	
	TOTAL	**43.49**	**65.29**	**38.31**	**46..66**	**43.08**	**72.71**	**43.59**	**58.43**	**50.25**	**77..32**	**47.52**	**62.61**

Sl. No	Items	WHEAT 1996-97				WHEAT 1997-98				WHEAT 1998-99			
		PUNJAB		HARYANA		PUNJAB		HARYANA		PUNJAB		HARYANA	
		Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Human Labour	58.28		63.57		72.45		77.58		61.67		68.05	
2.	Animal Labour	0.89		5.08		1.40		4.23		1.21		3.55	
3.	Machine Labour	31.96		35.09		40.21		44.85		42.31		41.46	
4.	Seed	13.04		17.48		16.43		19.61		16.15		18.11	
5.	Fertiliser	46.49		38.38		55.03		42.13		44.24		37.63	
6.	Manure	0.80		0.07		0.39		0.00		0.22		0.00	
7.	Insecticide	7.83		1.68		10.19		2.52		12.67		4.92	
8.	Irrigation Charges	6.88		25.89		5.11		24.36		3.17		17.99	
9.	Miscellaneous	0.92		0.00		0.58		0.00		0.70		0.00	
10.	Interest on Working Capital	4.69		4.39		5.68		5.05		5.12		4.63	
11.	Rental Value of owned land	139.88		109.82		140.09		141.93		152.35		142.33	
12.	Other Fixed Costs	50.84		34.69		64.40		29.59		58.77		27.09	
	TOTAL	**362.50**	**474.70**	**336.13**	**478.52**	**411.97**	**509.75**	**391.85**	**511.29**	**398.58**	**549.74**	**365.77**	**549.97**

Sl No	Items	PADDY-1996-97				PADDY-1997-98				PADDY-1998-99			
		W BENGAL		U.P		W BENGAL		U.P		W BENGAL		U.P	
		Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)	Cost of Production (Rs./Qtl)	Implicit Price (Rs./Qtl)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Human Labour	139.94		99.93		162.90		61.60		185.24		127.56	
2.	Animal Labour	28.59		16.33		35.44		17.85		38.02		12.42	
3.	Machine Labour	5.80		13.87		6.70		22.43		7.07		22.07	
4.	Seed	9.88		17.26		12.08		23.92		14.73		25.33	
5.	Fertiliser	23.96		25.69		24.28		35.90		26.99		32.60	
6.	Manure	10.38		4.85		10.53		2.94		14.70		2.92	
7.	Insecticide	3.21		2.37		4.42		2.42		5.34		2.53	
8.	Irrigation Charges	16.80		8.48		25.82		16.60		25.17		9.06	
9.	Miscellaneous	0.06		0.00		0.48		0.00		0.21		0.00	
10.	Interest on Working Capital	5.29		3.98		6.28		5.78		6.97		5.06	
11.	Rental Value of owned land	102.65		84.15		110.31		107.03		130.48		95.31	
12.	Other Fixed Costs	32.60		32.29		30.42		41.44		35.54		35.82	
	TOTAL	379.16	424.00	309.20	394.19	429.26	441.98	337.91	383.26	490.46	558.53	370.68	431.94